Docket No. 1948-4830

## 5 **REPLACEMENT ABSTRACT**

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## **ABSTRACT**

The invention concerns a method of detecting from a vehicle a bend on in a road comprising a surface (1) and road edges (2, 3), comprising the following operations:

- taking an image of a road scene unfolding in front of the vehicle and at least partly illuminated by the vehicle,
- determining, for each pixel in the image a light decrease gradient,
- analysing these decrease gradients and determining an image of the road edges,
- mathematically discriminating the gradients from the image of the road edges,
- analyzing this discrimination and determining edges, and the an angle of the bend.
- The invention also concerns a system for implementing the method of the invention comprising a camera (10) mounted in the vehicle, an image processing unit (20) and a neural network (21).

Figures 1, 2 and 3

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